

## ABSTRACT

A method of specifying components in order to design and evaluate a weld gun configuration. A visual representation of the type of welding gun to be designed is provided along with a plurality of menus with user selectable options, such as  
5 dimensional specifications. Available options are offered in each of the menus that are available for the welding gun to be designed and non-available options are so indicated. A user selects an option from one of the menus, triggering calculation of new design values. User selection also initiates determination and display of newly available or newly non-available options resulting from the user selection. In addition, a weld gun  
10 parameter specification system is described that includes a parameter database, a computer-readable medium containing computer-executable instructions for performing a method of weld gun parameter specification and an output component.